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NEWS	6	MAY 11	KOREAPAT updates resume
NEWS	7	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	8	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS	9	MAY 30	The F-Term thesaurus is now available in CA/CAPLUS
NEWS	10	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS	11	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS	12	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS	13	JUL 11	CHEMSAFE reloaded and enhanced
NEWS	14	JUL 14	FSTA enhanced with Japanese patents
NEWS	15	JUL 19	Coverage of Research Disclosure reinstated in DWPI
NEWS	16	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS EXPRESS		JUNE 30	CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
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* * * * * STN Columbus * * * * *

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10507153

24/08/2006

Page 2

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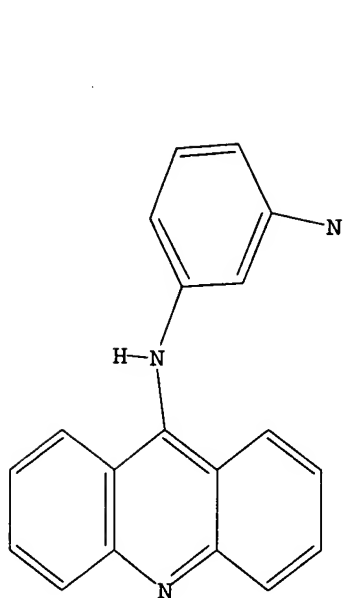
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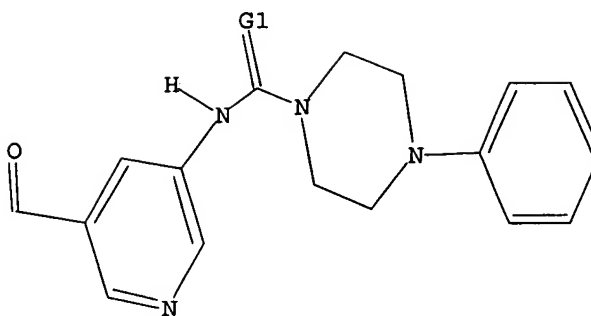
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10507153



G1 O,S



Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 12:35:48 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 1 TO 80

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 ful

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FULL SCREEN SEARCH COMPLETED - 30 TO ITERATE

100.0% PROCESSED 30 ITERATIONS

29 ANSWERS

SEARCH TIME: 00.00.01

L3 29 SEA SSS FUL L1

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SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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167.15

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=> s l3

L4 3 L3

=> d abs bib hitstr 1-3

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [wherein Y = 0 (i.e., absent) or -[COCH(CH₃)NH]-; X = O or S; R₁, R₂, R₃, R₄, R₅ = independently H, halo, NO₂, NH₂, OH and derivs., alkyl, alkyl(hydroxy/amino); R', R'' = independently alkyl or alkoxy; Z = alkyl, alkoxy or alkylamino; and their pharmaceutically acceptable salts] were prepared as antitumor agents. For example, (S)-isomeric compound II was prepared, in 52.3% yield, by condensation of 2-ethyl-5-[[4-(3,5-dimethylphenyl)piperazin-1-ylcarbonyl]amino]-6-methoxynicotinic acid dissolved in pyridine with (S)-N-[3-(acridin-9-ylamino)-5-hydroxymethylphenyl]-2-aminopropanamide (see PCT/KR99/00787) in the presence of DCC/DMAP for 24 h at room temperature I have comparable or superior antitumor activities against human solid cancer cell lines compared to cisplatin, and equal or superior activities compared to mitomycin C against P388 mouse cancer cells. For example, II showed ED₅₀ = 0.12 µg/mL against A549 (human non-small lung cell) vs. cisplatin (0.81 µg/mL), and was approx. 3.7-fold more potent than mitomycin C. The LD₅₀ of II was 80 mg/kg i.v., vs. 9.7 mg/kg i.p. for cisplatin.

AN 2003:719452 CAPLUS

DN 139:245913

TI Preparation of 9-aminoacridines as antitumor agents

IN Cho, Eui-hwan; Chung, Sun-gan; Lee, Sun-hwan; Kwon, Ho-seok; Kang, Dong-wook

PA Samjin Pharmaceutical Co., Ltd., S. Korea

SO PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DT Patent

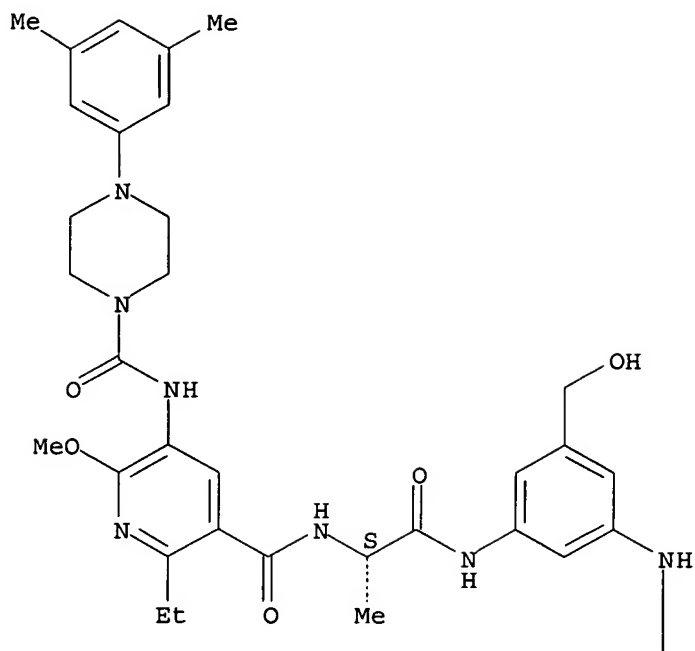
LA English

FAN.CNT 1

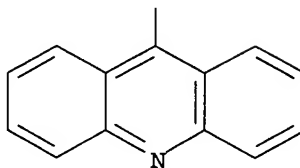
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	EP 1487799	A1	20041222	EP 2002-701809	20020307
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	RU 2269524	C2	20060210	RU 2004-129745	20020307
	US 2005222167	A1	20051006	US 2004-507153	20040907
PRAI	WO 2002-KR392	W	20020307		
OS	MARPAT 139:245913				
IT	537048-98-9P, (S)-4-(3,5-Dimethylphenyl)piperazine-1-carboxylic acid N-[5-[[1-[[3-(acridin-9-ylamino)-5-hydroxymethylphenyl]carbamoyl]ethyl]carbamoyl]-6-ethyl-2-methoxypyridin-3-yl]amide 600153-66-0P, (S)-4-(3,5-Dimethoxyphenyl)piperazine-1-carboxylic acid N-[5-[[1-[[3-(acridin-9-ylamino)-5-hydroxymethylphenyl]carbamoyl]ethyl]carbamoyl]-6-ethyl-2-methoxypyridin-3-yl]amide				
	RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(antitumor agent; preparation of aminoacridines as antitumor agents via condensation)				
RN	537048-98-9 CAPLUS				
CN	1-Piperazinecarboxamide, N-[5-[[[(1S)-2-[[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]amino]-1-methyl-2-oxoethyl]amino]carbonyl]-6-ethyl-2-methoxy-3-pyridinyl]-4-(3,5-dimethylphenyl)-(9CI) (CA INDEX NAME)				

Absolute stereochemistry.

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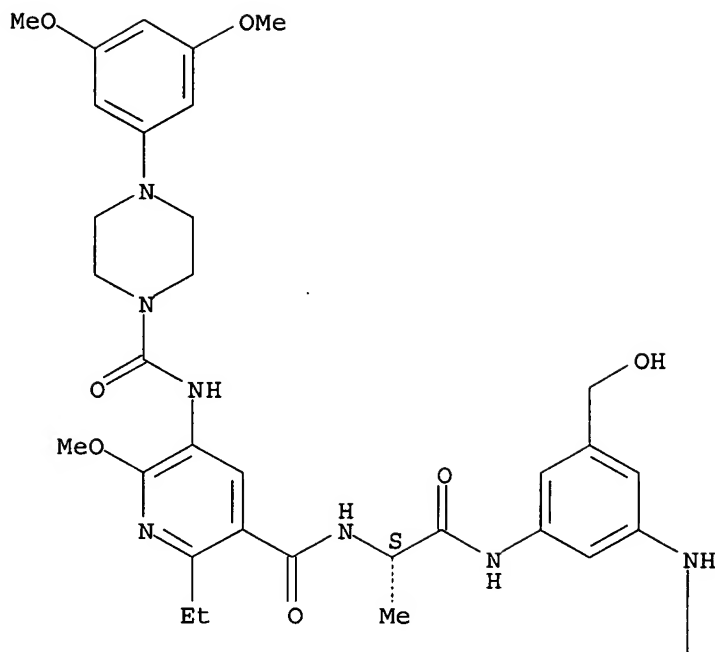


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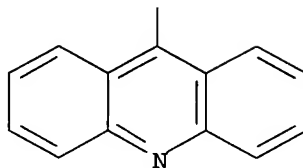
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Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



IT 600153-64-8P, (S)-4-Phenylpiperazine-1-carboxylic acid
 N-[5-[[1-[[3-(acridin-9-ylamino)-5-hydroxymethylphenyl]carbamoyl]ethyl]carbamoyl]-6-ethyl-2-methoxypyridin-3-yl]amide 600153-68-2P,
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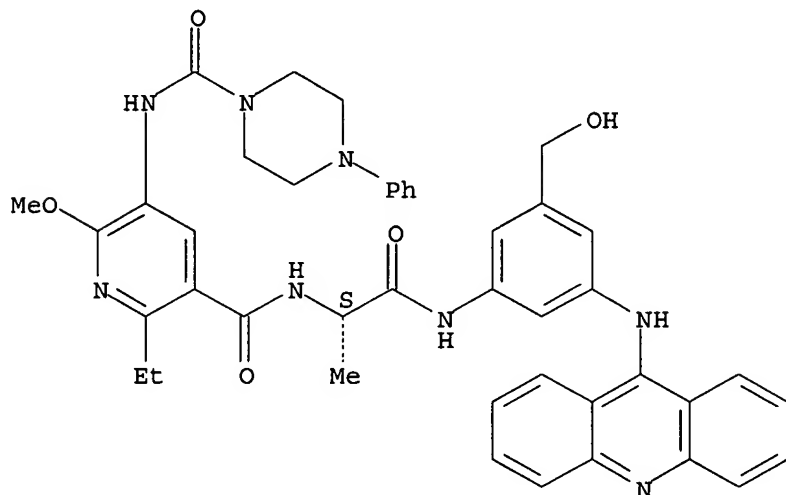
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(antitumor agent; preparation of aminoacridines as antitumor agents via

condensation)
RN 600153-64-8 CAPLUS
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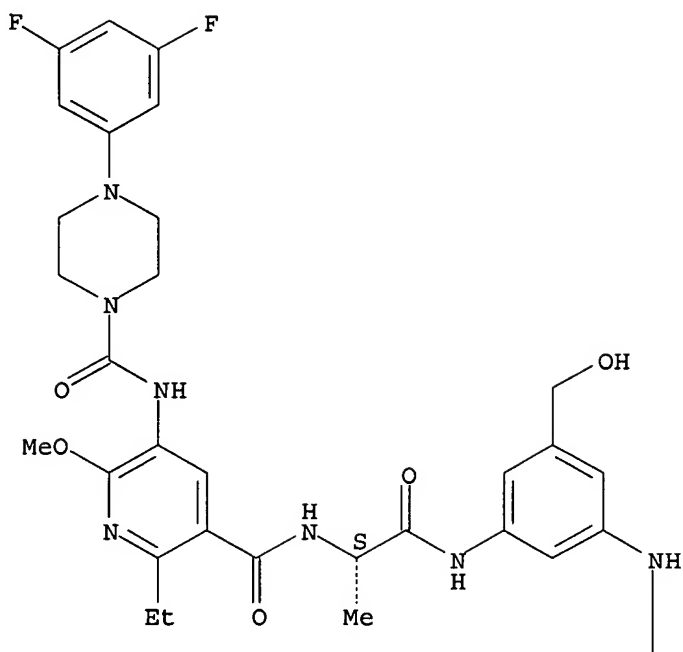
Absolute stereochemistry.



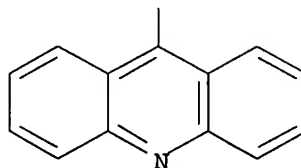
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Absolute stereochemistry.

PAGE 1-A



PAGE 2-A

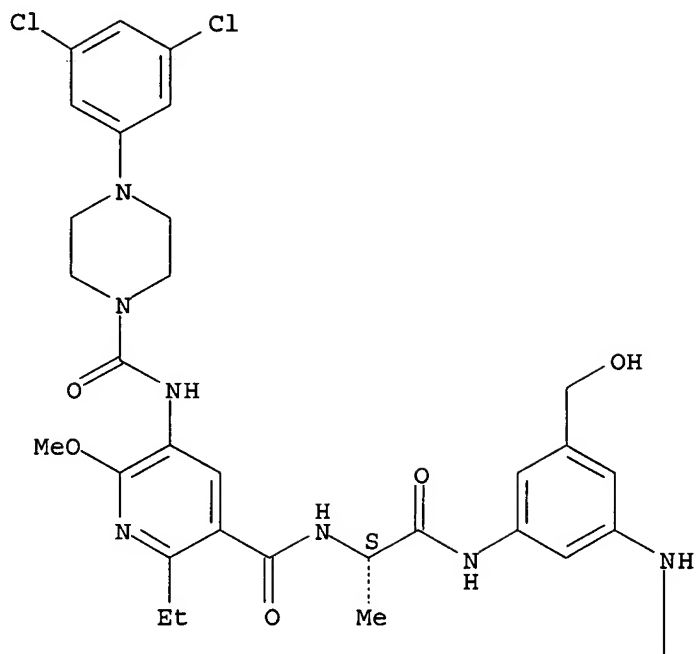


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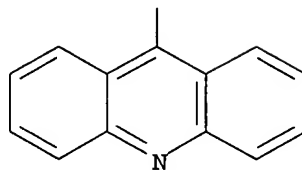
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Absolute stereochemistry.

PAGE 1-A



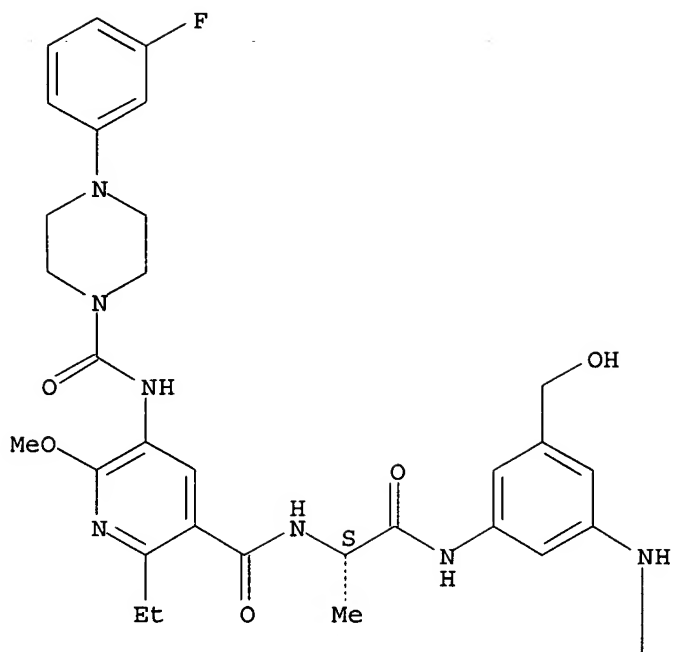
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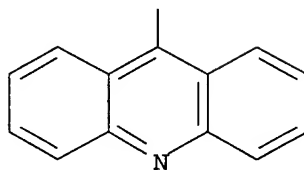
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Absolute stereochemistry.

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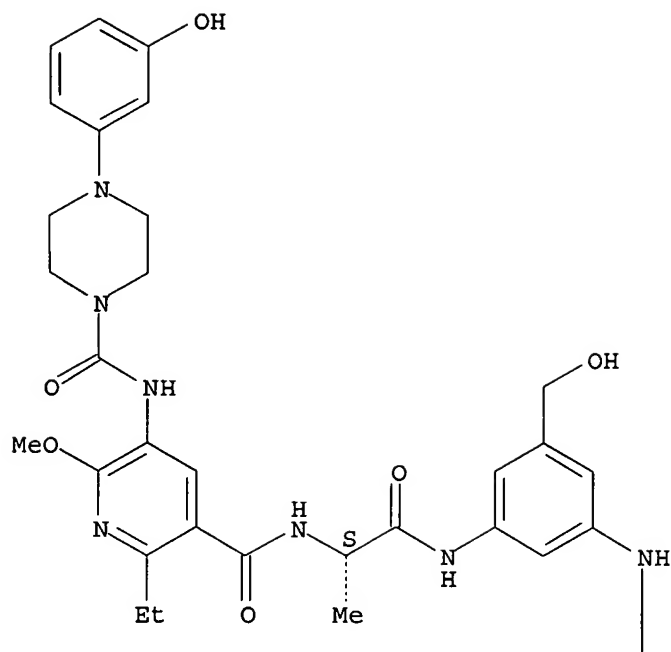
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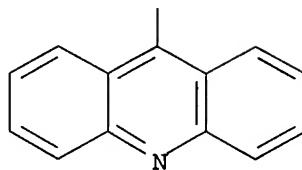
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Absolute stereochemistry.

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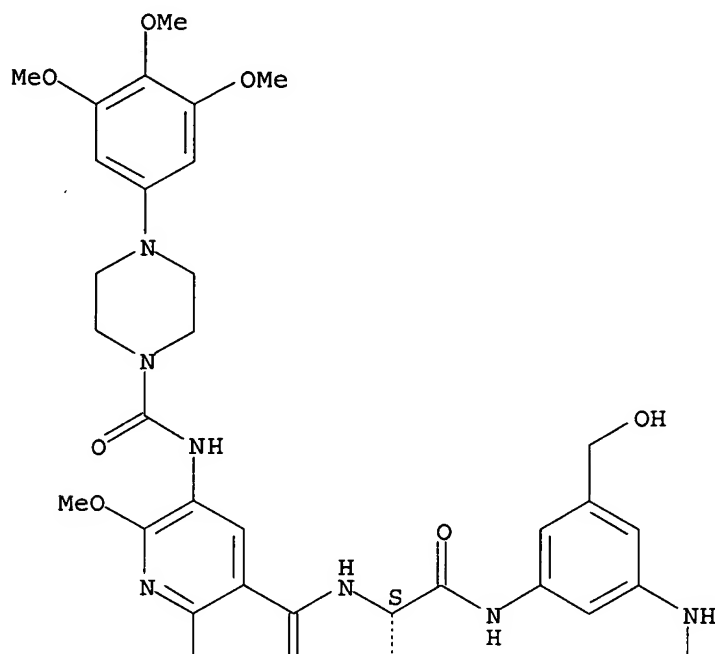


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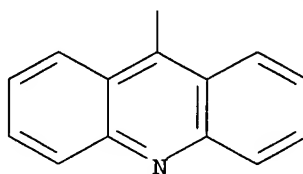
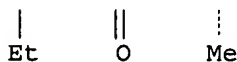
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Absolute stereochemistry.

PAGE 1-A



PAGE 2-A

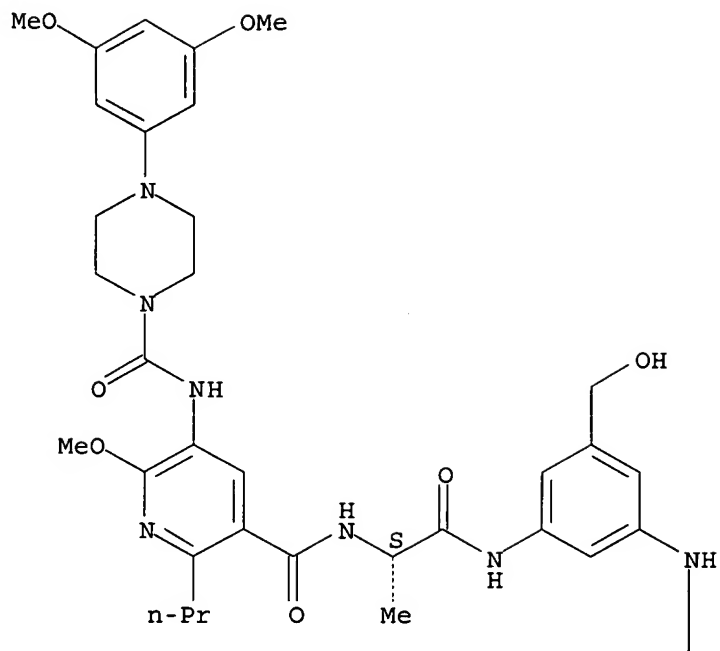


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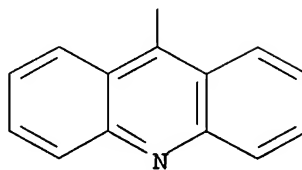
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Absolute stereochemistry.

PAGE 1-A



PAGE 2-A

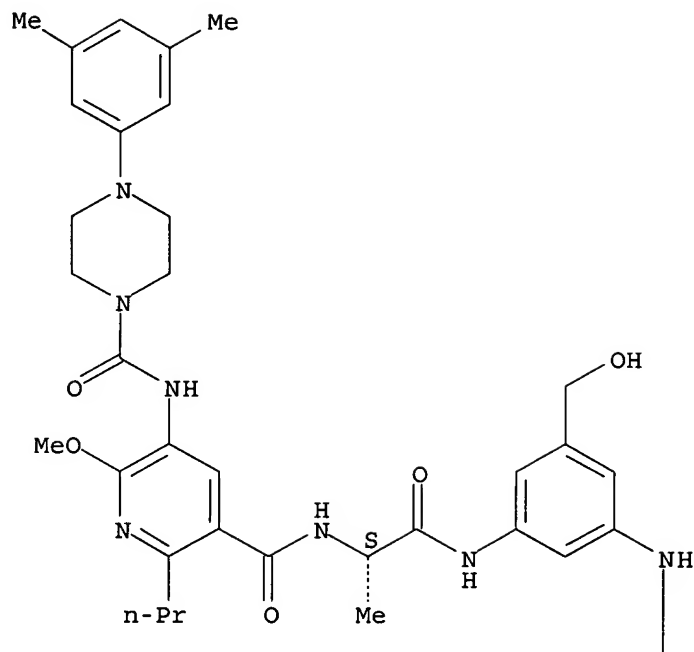


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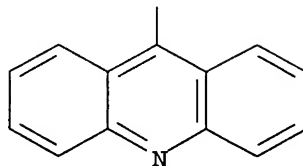
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Absolute stereochemistry.

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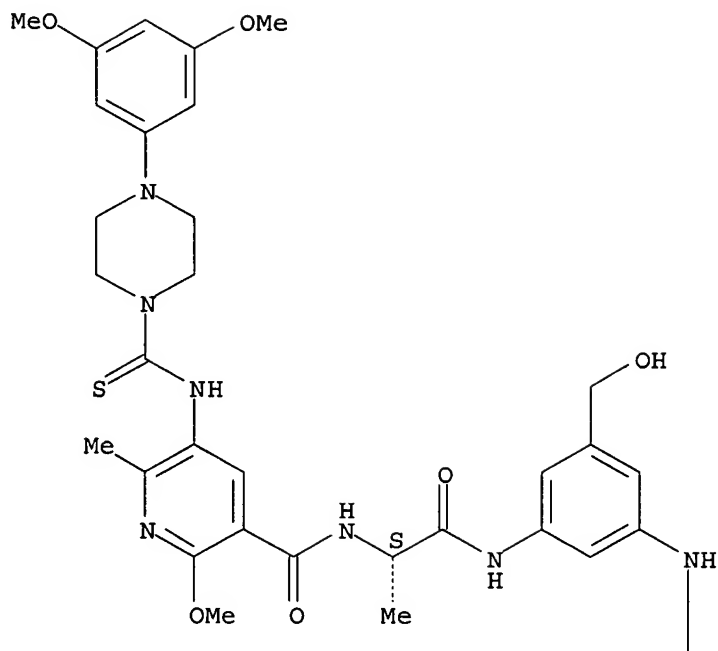


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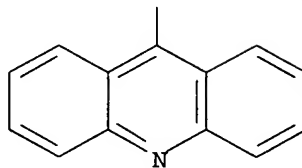
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Absolute stereochemistry.

PAGE 1-A



PAGE 2-A

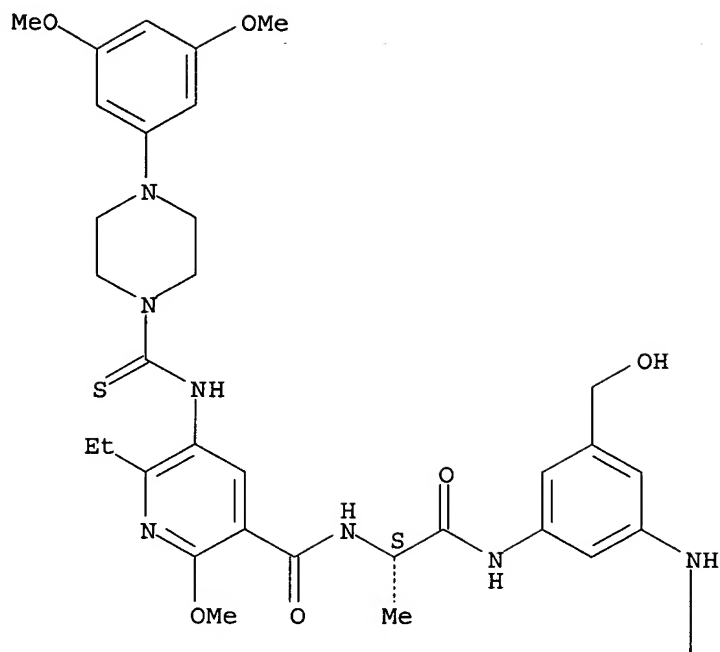


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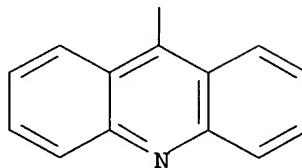
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Absolute stereochemistry.

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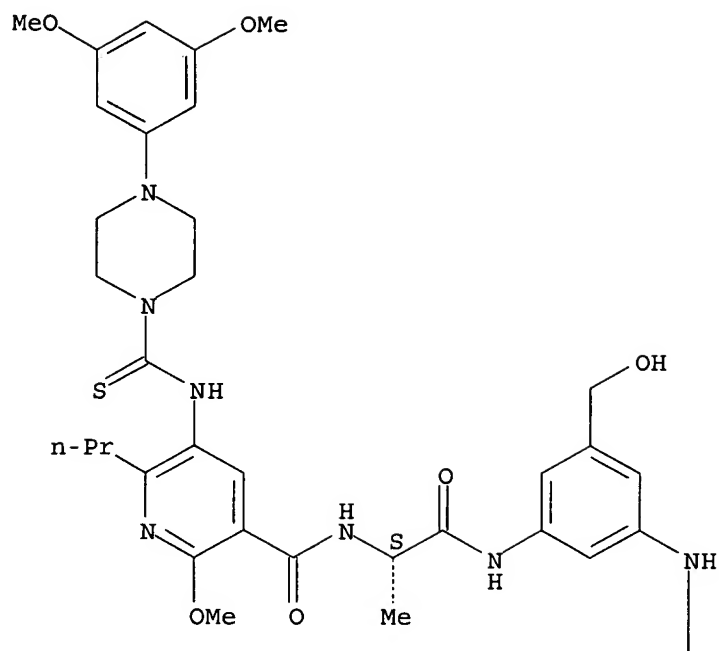
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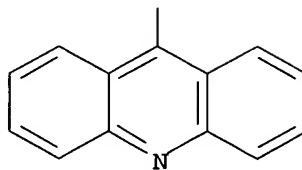
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Absolute stereochemistry.

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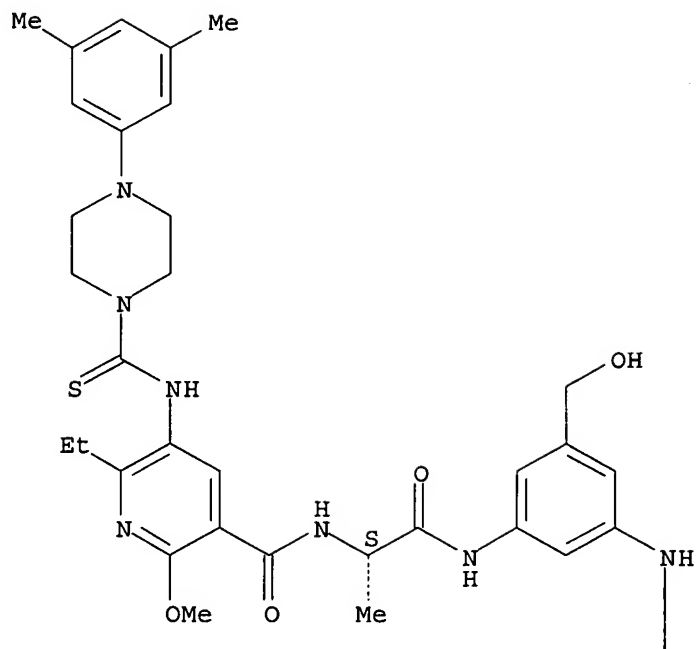
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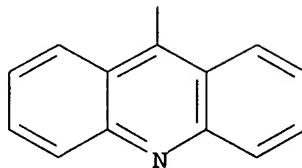
RN 600153-88-6 CAPLUS
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 (CA INDEX NAME)

Absolute stereochemistry.

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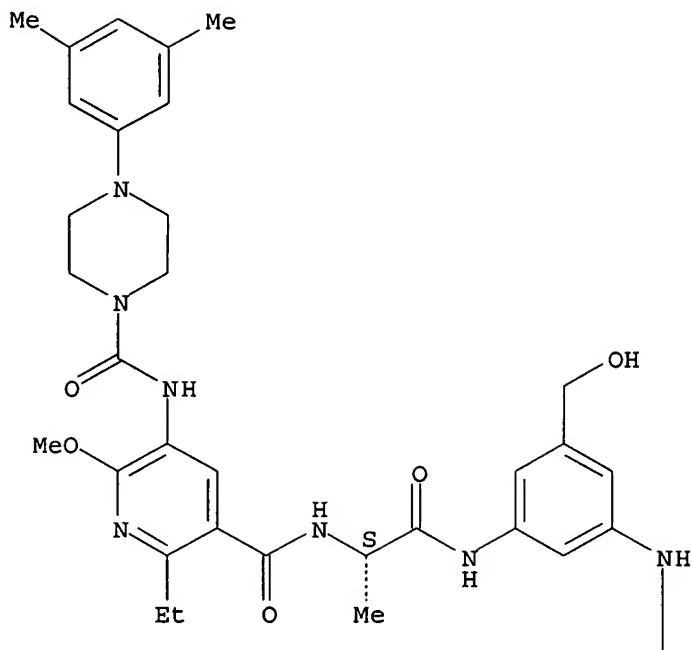


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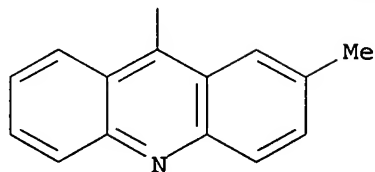
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Absolute stereochemistry.

PAGE 1-A



PAGE 2-A

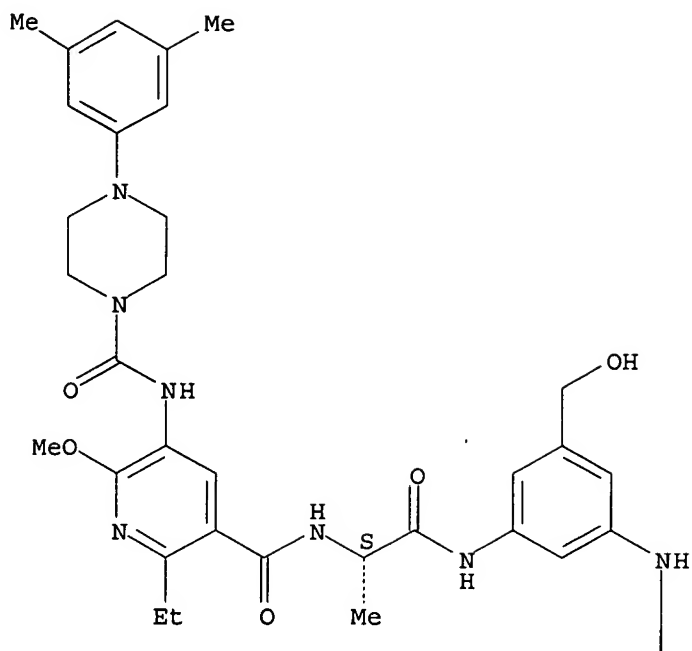


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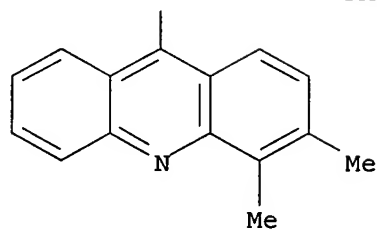
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Absolute stereochemistry.

PAGE 1-A



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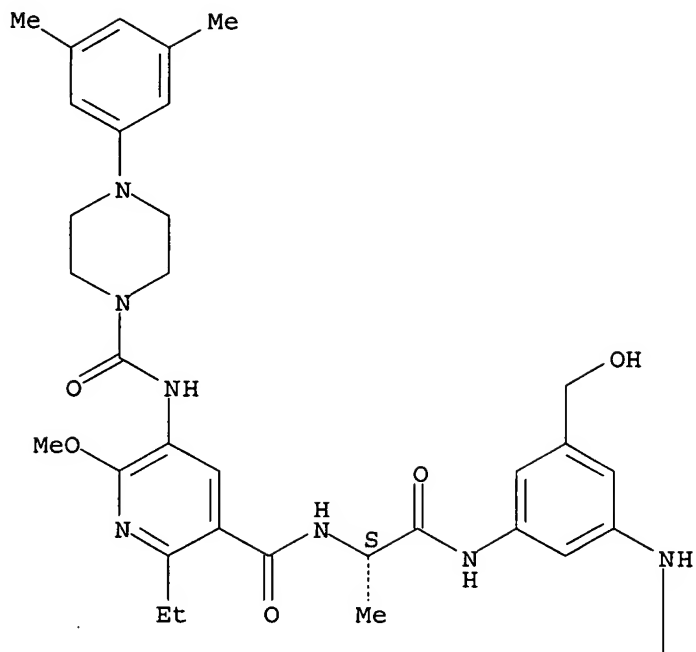


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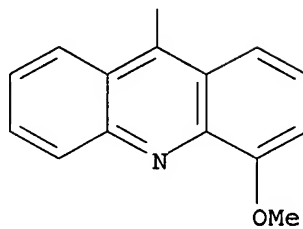
CN 1-Piperazinecarboxamide, 4-(3,5-dimethylphenyl)-N-[6-ethyl-5-[[[(1S)-2-[[3-(hydroxymethyl)-5-[(4-methoxy-9-acridinyl)amino]phenyl]amino]-1-methyl-2-oxoethyl]amino]carbonyl]-2-methoxy-3-pyridinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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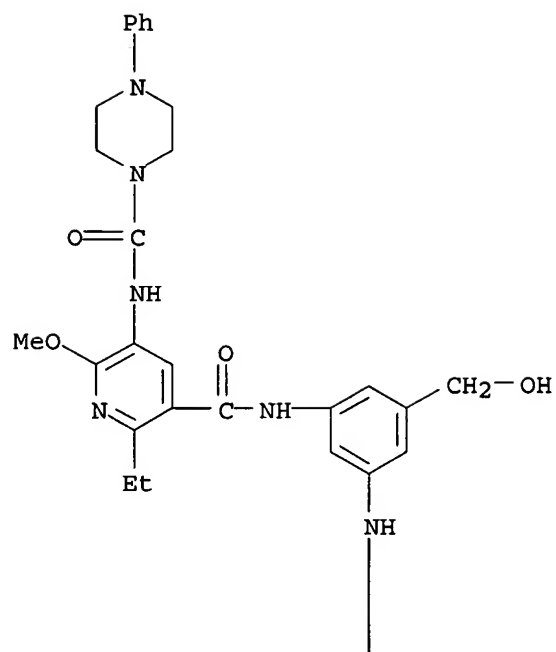
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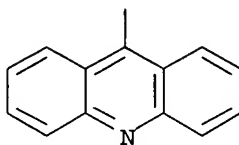
RN 600153-93-3 CAPLUS

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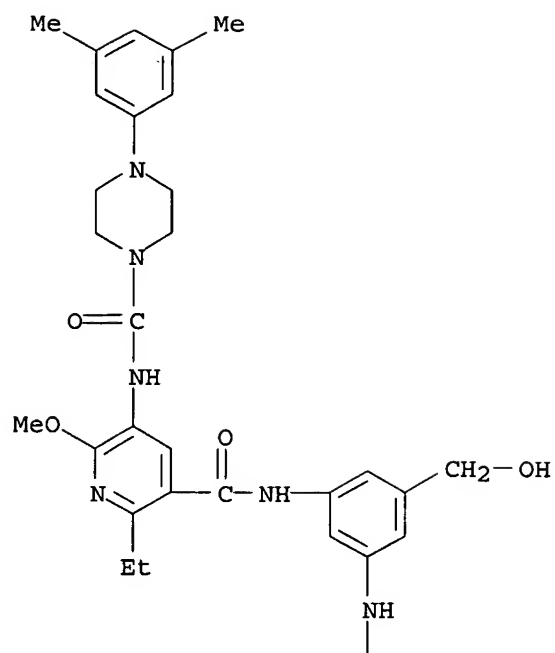


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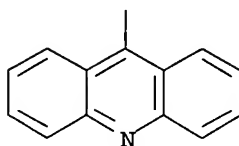


RN 600153-94-4 CAPLUS
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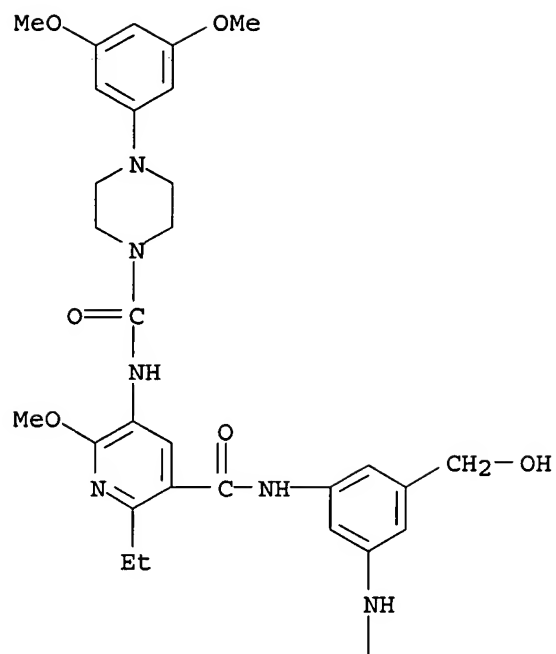


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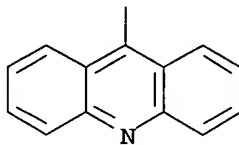


RN 600153-95-5 CAPLUS
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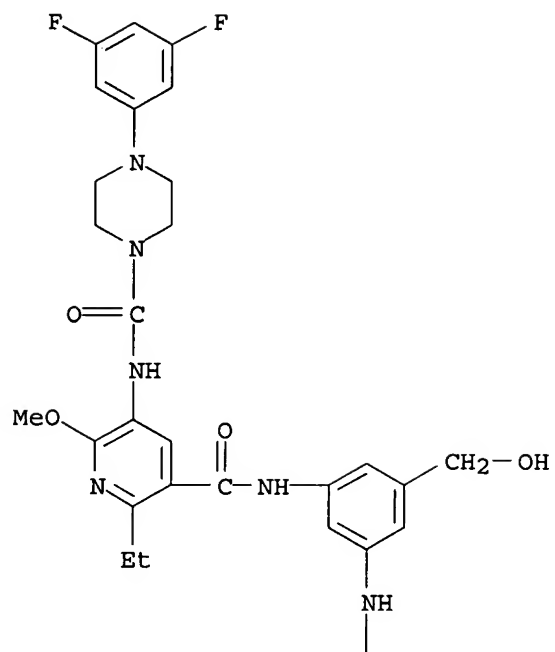


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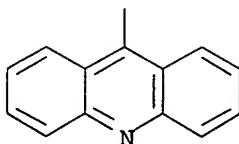


RN 600153-96-6 CAPLUS
 CN 1-Piperazinecarboxamide, N-[5-[[[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]amino]carbonyl]-6-ethyl-2-methoxy-3-pyridinyl]-4-(3,5-difluorophenyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

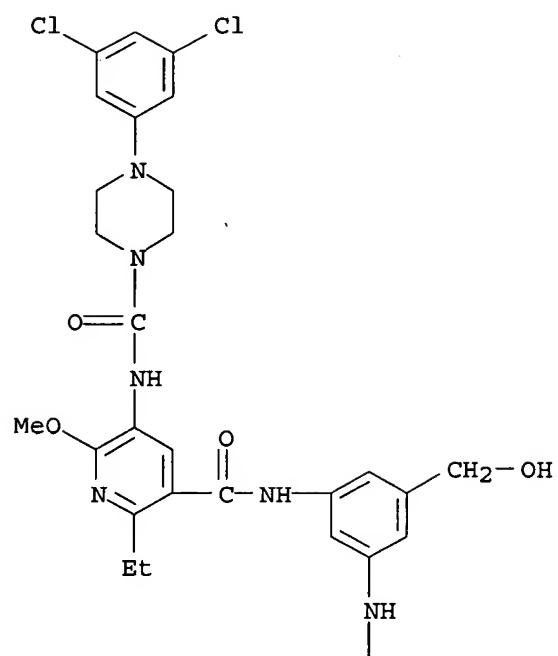


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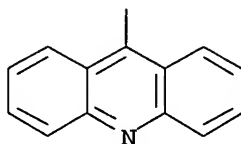


RN 600153-97-7 CAPLUS
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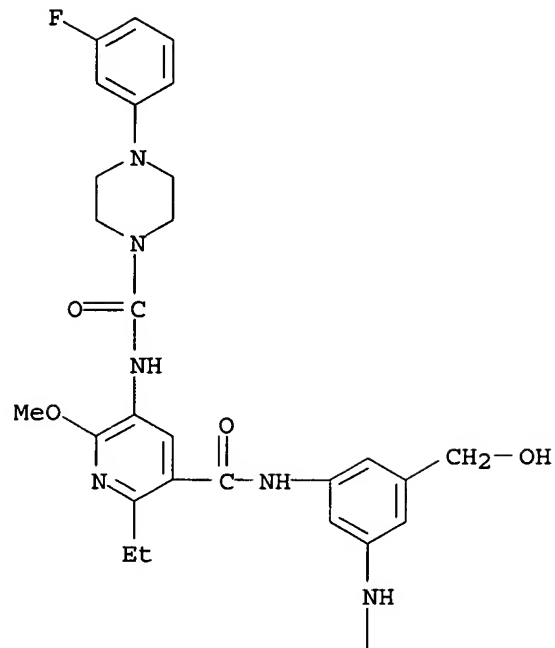


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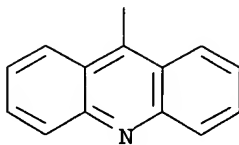


RN 600153-98-8 CAPLUS
CN 1-Piperazinecarboxamide, N-[5-[[[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]amino]carbonyl]-6-ethyl-2-methoxy-3-pyridinyl]-4-(3-fluorophenyl)-(9CI) (CA INDEX NAME)

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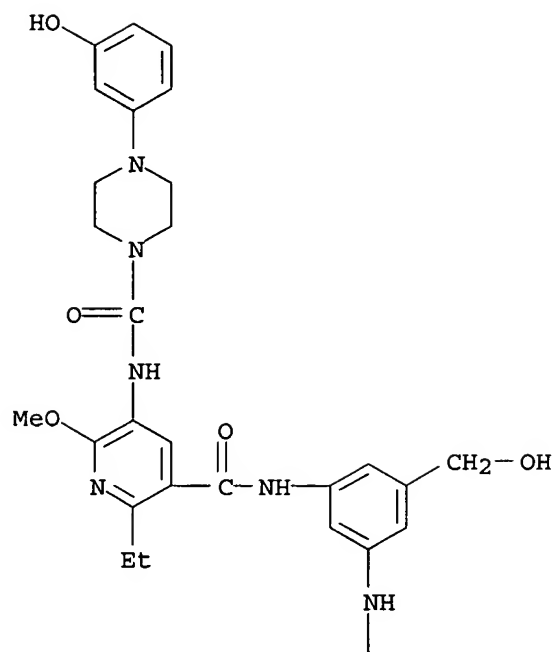


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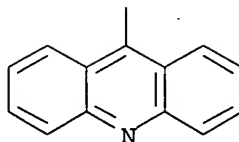


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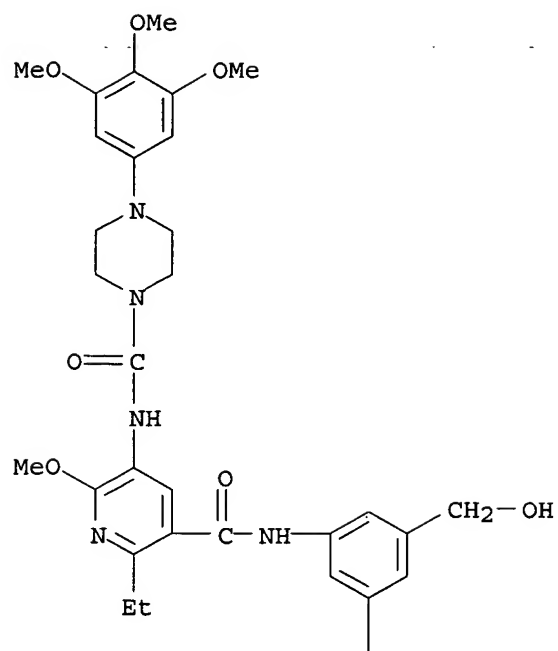


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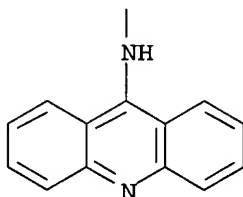


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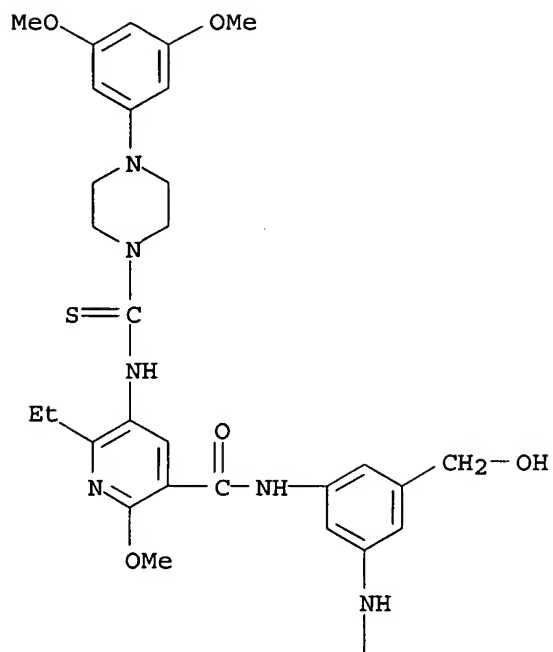
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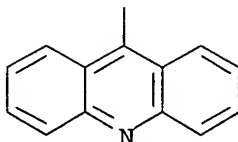
RN 600154-01-6 CAPLUS

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 methoxy- (9CI) (CA INDEX NAME)

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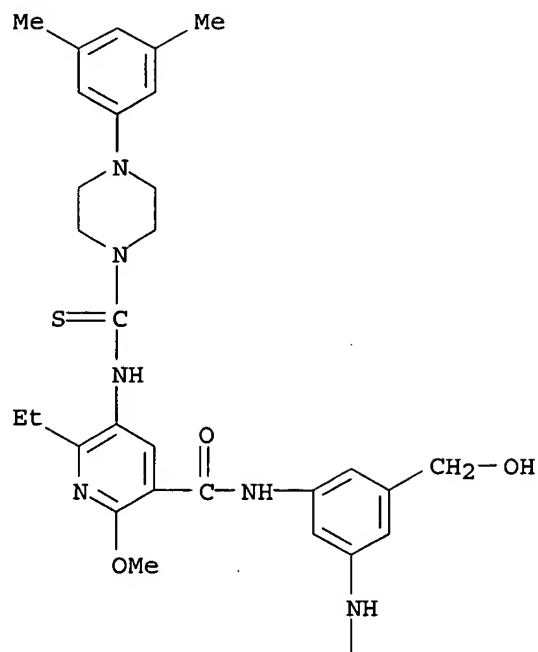


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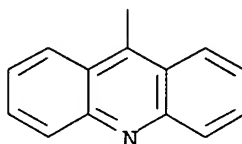


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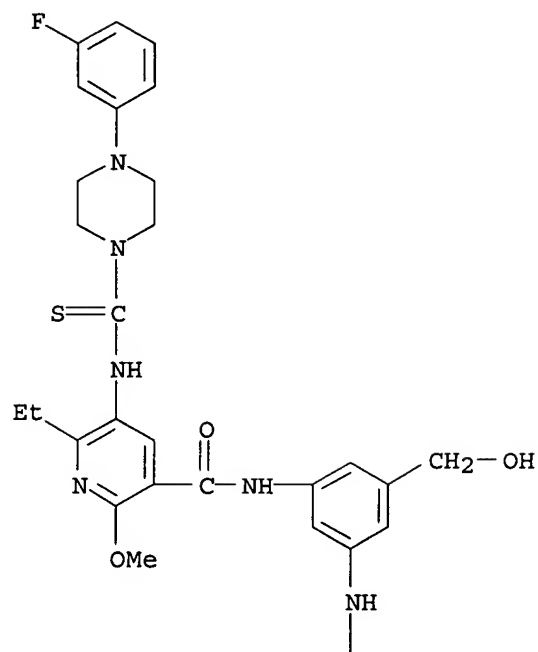


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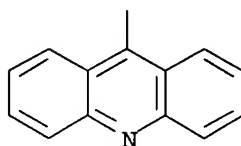


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PAGE 1-A

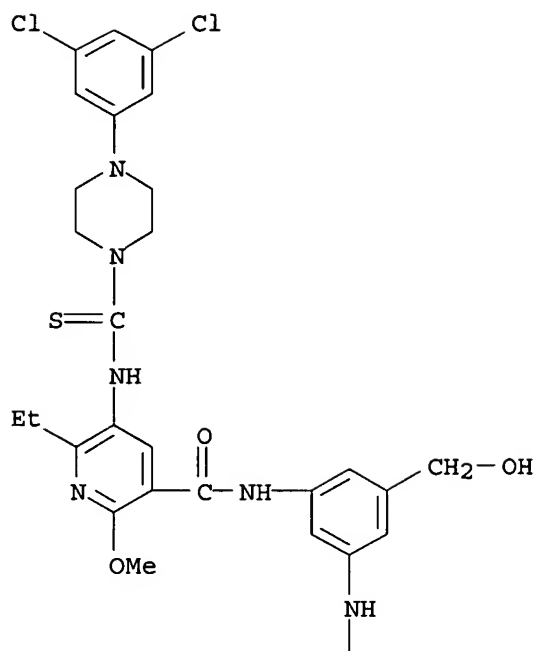


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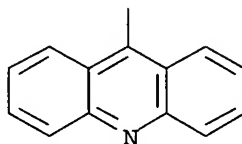


RN 600154-05-0 CAPLUS
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methoxy- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

AB This study examined the pharmacokinetic disposition of SJ-8029, a novel anticancer agent possessing microtubule and topoisomerase inhibiting activities, in mice, rats, rabbits and dogs after i.v. administration. The serum concentration-time curves of SJ-8029 were best described by tri-exponential equations in all these animal species. The mean Cl, Vss and t1/2 were 0.3 l/h, 0.11 and 63.2 min in mice, 1.5 l/h, 1.61 and 247.7 min in rats, 13.8 l/h, 39.61 and 245.9 min in rabbits, and 29.2 l/h, 44.61 and 117.4 min in dogs, resp. Based on animal data, the pharmacokinetics of SJ-8029 were predicted in humans using simple allometry and also by several species-invariant time transformations using kallynochron, apolysichron and dienetichron times. The human pharmacokinetic parameters of Cl, Vss and t1/2 predicted by the simple allometry and various species-invariant time methods were 50.4-145.0 l/h, 369.0-579.81 and 242.0-1448.3 min, resp. These preliminary parameter values may be useful in designing early pharmacokinetic studies of SJ-8029 in humans.

AN 2003:609358 CAPLUS

DN 140:35281

TI Pharmacokinetic scaling of SJ-8029, a novel anticancer agent possessing microtubule and topoisomerase inhibiting activities, by species-invariant time methods

AU Shin, Beom S.; Kim, Dong H.; Cho, Chang Y.; Park, Si K.; Chung, Sun G.; Cho, Eui H.; Lee, Sun H.; Joo, Jeong H.; Kwon, Ho S.; Lee, Kang C.; Yoo, Sun D.

CS College of Pharmacy, Sungkyunkwan University, Suwon, 440-746, S. Korea

SO Biopharmaceutics & Drug Disposition (2003), 24(5), 191-197
CODEN: BDDID8; ISSN: 0142-2782

PB John Wiley & Sons Ltd.

DT Journal

LA English

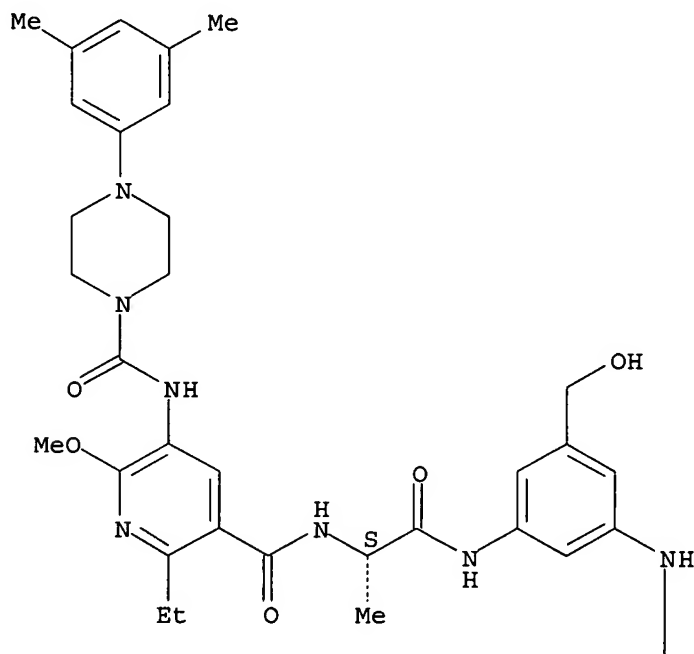
IT 537048-98-9, SJ 8029
RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmacokinetic scaling of SJ-8029, novel anticancer agent possessing microtubule and topoisomerase inhibiting activities in different species)

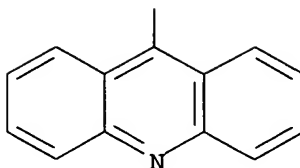
RN 537048-98-9 CAPLUS

CN 1-Piperazinecarboxamide, N-[5-[[[(1S)-2-[[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]amino]-1-methyl-2-oxoethyl]amino]carbonyl]-6-ethyl-2-methoxy-3-pyridinyl]-4-(3,5-dimethylphenyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A





RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

AB This report describes a simple and sensitive isocratic high-performance liquid chromatog. with UV detection for the anal. of a novel antineoplastic agent, SJ-8029 in rat serum. The anal. utilized a Merck Lichrocart RP-8 anal. column and a mobile phase consisting of acetonitrile: 0.1% triethylamine in deionized water (55:45, volume/volume). SJ-8029 was extracted from serum by one-step extraction with tert-Bu Me ether. SJ-8029 was eluted at 12.7 min at a mobile phase flow rate of 1 mL/min. The standard curve was linear ($r^2 = 0.9999$) over the concentration range of 5-10,000 ng/mL. The

extraction

recovery for SJ-8029 was >89.4% and the intra- and inter-day assay variability of SJ-8029 ranged from 3.9-18.8% and 4.5-18.4%, resp. The LOD and LOQ were 1 and 5 ng/mL, resp., using a serum sample volume of 100 μ L. The developed assay method was applied to a pharmacokinetic study after i.v. injection of SJ-8029 to rats at a dose of 8 mg/kg. In addition, the stability of SJ-8029 was assessed in serum as a function of temperature, and

the

formation of degradation products M1, M2 and M3 was determined by HPLC with fluorescence detection. Further anal. by LC/MS/MS showed that SJ-8029 was degraded in serum to microtubule and topoisomerase inhibiting components.

AN 2002:832228 CAPLUS

DN 139:17016

TI Analysis and stability of a novel anticancer agent, SJ-8029, possessing microtubule and topoisomerase inhibiting activities

AU Cho, Chang Y.; Shin, Beom S.; Kim, Dong H.; Joo, Jeong H.; Kwon, Ho S.; Lee, Sun H.; Park, Si K.; Chung, Sun G.; Cho, Eui H.; Lee, Hye S.; Yoo, Sun D.

CS College of Pharmacy, Sungkyunkwan University, Suwon, 440-746, S. Korea

SO Analytical Letters (2002), 35(13), 2133-2143

CODEN: ANALBP; ISSN: 0003-2719

PB Marcel Dekker, Inc.

DT Journal

LA English

IT 537048-98-9, SJ 8029

RL: ANT (Analyte); PKT (Pharmacokinetics); ANST (Analytical study); BIOL (Biological study)

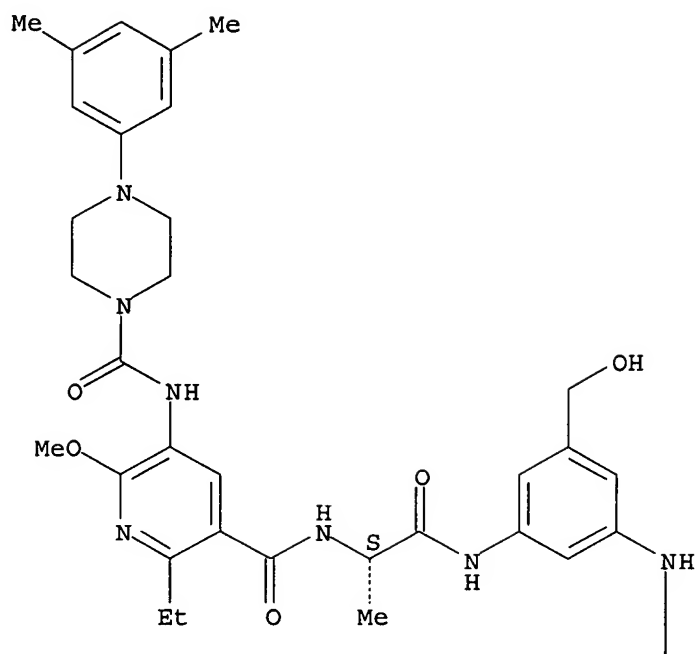
(anal. and pharmacokinetics of SJ-8029 in rat serum using HPLC)

RN 537048-98-9 CAPLUS

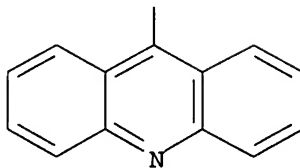
CN 1-Piperazinecarboxamide, N-[5-[[[(1S)-2-[[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]amino]-1-methyl-2-oxoethyl]amino]carbonyl]-6-ethyl-2-methoxy-3-pyridinyl]-4-(3,5-dimethylphenyl)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT